

1. A camouflage comprising:

a pattern comprising an organization for pattern elements arranged in the pattern and an ecotone motif corresponding to a selected environment;

photographic images of discrete landscape features corresponding to ecotones representative of the selected environment;

the photographic images ordered in a synthetic perspective relationship;

the photographic images placed as pattern elements according to the organization and adapted for imprinting on a substrate.

2. The apparatus of claim 1 wherein the synthetic perspective comprises:

a reference image that is also a photographic image, the reference image lying in a reference plane;

a photographic image that lies in a plane behind the reference plane and is masked by a portion of the reference image that overlaps the photographic image; and

another photographic image that lies in a plane in front of the reference plane and masks a portion of the reference image that overlaps that photographic image.

3. The apparatus of claim 2 wherein the reference image has a base, wherein the base is masked by a photographic image.

4. The apparatus of claim 1 wherein the photographic images have interior boundaries which define interior spaces, allowing background images to show through the interior spaces of foreground images.

5. The apparatus of claim 1 wherein the photographic images are selected to represent various sizes of discrete landscape features present in the selected environment.

6. The apparatus of claim 1 wherein the organization includes photographic images ordered into classes by size, and ordered by class in the pattern from small to large.

7. The apparatus of claim 1 wherein the photographic images are selected to represent colors and textures corresponding to discrete landscape features.

8. The apparatus of claim 1 wherein one of the pattern elements is a background, with a color selected to match a dominant ground color of the selected environment.

9. The apparatus of claim 8 wherein the background is smeared with an accent color, selected to match a secondary ground color of the selected environment.

10. The apparatus of claim 9 wherein the pattern is organized with the background forming a first layer of the pattern, photographic images of low growing plants forming a second layer,

5
Sub
B
Contd

090307Z JUL 68 1000

15

20

20

20

20

Sub
a1

17. An apparatus comprising:

a substrate comprising a material having an aspect ratio of thickness to area corresponding to a textile fabric, and having a presentation surface corresponding to the area thereof;

5 a surface pattern comprising:

pattern elements with an ecotone motif corresponding to a selected environment;

photographic images of distinct landscape features selected from images of scenes of ecotones representative of the selected environment; and

wherein the selected photographic images are ordered in a synthetic perspective relationship.

66801-08892460

18. The apparatus of claim 17 wherein the synthetic perspective comprises:

a reference image that is also a photographic image, the reference image having a base and lying in a reference plane;

15 a photographic image that lies in a plane behind the reference plane and is masked by a portion of the reference image that overlaps the photographic image; and

Sub
B3

another photographic image that lies in a plane in front of the reference plane and masks a portion of the reference image that overlaps that photographic image.

20 19. The apparatus of claim 18 wherein the reference image has a base and the base is masked by a photographic image.

20. The apparatus of claim 19 wherein the photographic images have interior boundaries which define interior spaces and wherein the interior spaces reveal background photographic images to show through the interior spaces of foreground photographic images.

21. The apparatus of claim 20 wherein the photographic images are selected to represent distinct sizes of discrete landscape features.

22. The apparatus of claim 21 wherein the photographic images are ordered into classes by size, and ordered by class in the pattern in the order of small to large.

23. The apparatus of claim 22 wherein the photographic images are selected to represent the distinct colors and textures of discrete landscape features.

24. The apparatus of claim 23 wherein one of the pattern elements is a background, with a color selected to match a dominant ground color of the selected environment.

25. The apparatus of claim 24 wherein the background is smeared with an accent color, selected to match a secondary ground color of the selected environment.

26. The apparatus of claim 25 wherein the pattern is organized such that the background forms a bottom layer of the pattern, photographic images of low growing plants form a

second layer, photographic images of small shrubs form a third layer, and photographic images of large bushes form a fourth layer.

27. The apparatus of claim 26 wherein the pattern is further organized with nearly evenly scattered photographic images of low growing plants, sparsely overlaid with photographic images of small bushes.

28. The apparatus of claim 27 wherein the pattern includes corner elements and edge elements positioned to render the pattern repeatable.

29. The apparatus of claim 28 wherein the pattern is seamlessly repeated across a surface.

30. The apparatus of claim 29, wherein the pattern is seamlessly repeated in two dimensions.

31. The apparatus of claim 30, wherein the substrate comprises a material formed to be comparatively flexible in a transverse direction and comparatively inflexible orthogonally to the transverse direction.

32. A method for creating a camouflage material, the method comprising:

providing an artistic camouflage design concept, comprising the steps of

photographing scenes of ecotones representative of a selected environment;

and

selecting images of discrete features within the photographed scene;
providing a repeating pattern, reflecting the design concept, said providing
comprising:

separating selected images from the photographed scene; and

placing the selected images in a synthetic perspective relationship; and
printing the repeating pattern on a substrate.

33. The method of Claim 32 wherein placing selected images in a synthetic perspective
relationship comprises:

placing a first selected image;

partially covering the first image with a second selected image, making the image
appear to be behind and above the first image.

34. The apparatus of claim 33 wherein placing selected images further comprises placing
successive selected images in positions that make earlier placed images appear to be above
and behind the second selected image.

35. The method of claim 34 wherein separating selected images from the photographic scenes
comprises defining an outer boundary of the selected images and severing the selected images
from the photographic scenes along the outer boundary.

36. The method of claim 35 wherein separating selected images from the photographic scenes further comprises defining interior boundaries and severing the selected image from the photographic scene along the interior boundaries, creating interior spaces within the selected image.

37. The method of claim 36, wherein ordering images in a synthetic perspective relationship further comprises placing a second group of selected images to reveal a first group of selected images through the interior spaces of the second group of selected images.

38. The method of claim 37 wherein selecting images of discrete features in the photographic images comprises selecting a plurality of images having distinct shapes, sizes, textures and color.

39. The method of Claim 38 wherein providing a repeating pattern further comprises:

selecting at least one corner element and at least one edge element;

splitting the corner element into four quadrants and placing one quadrant in each of four corners of the pattern; and

splitting the edge element into two halves and placing one half at one edge of the pattern and the other half at an opposite edge of the pattern.

40. The method of claim 39 wherein selecting and ordering selected images includes selecting a background color and placing the background color beneath all other images in the pattern.

41. The method of claim 40 wherein selecting and ordering selected images further comprises selecting an accent color and smearing the background color with the accent color.

42. The method of claim 41 wherein printing the repeating pattern on a substrate comprises:

selecting color groups

sorting selected images by color group;

selecting a single color to represent each color group;

separating the color groups, creating a single plate of a single color for each color group;

ordering colors from least dominant to most dominant; and

printing, in order of dominance, all color plates onto a single substrate.

43. The method of claim 42 wherein selecting images further comprises selecting a set of selected images of discrete features.

44. The method of claim 43 wherein selecting sets of selected images of discrete features includes selecting a set of images of trees and large shrubs, a set of image of medium shrubs, and a set of images of low ground cover, including clumps of grass and low shrubs.

45. The method of claim 44 wherein printing the repeating pattern on a substrate includes repeatedly printing the pattern seamlessly across a surface.

46. The apparatus of claim 45, wherein printing the repeating pattern includes printing the pattern seamlessly in two dimensions.

47. The method of claim 46 wherein printing the pattern on a substrate further comprises printing on a fabric for use as camouflage clothing.

48. A method for designing camouflage, the method comprising:

selecting an ecotone motif corresponding to a selected environment;

providing photographic images corresponding to scenes of ecotones representative of the selected environment;

selecting images of discrete features in the photographic images;

separating the selected images from the photographic images;

ordering the selected images in a synthetic perspective relationship as a repeating pattern with four corners and four edges; and

printing the repeating pattern on a substrate.

49. The method of Claim 48 wherein ordering selected images in a synthetic perspective relationship comprises:

placing a first selected image;

placing a second selected image so that the first selected image appears to be above and behind the second selected image; and

placing successive selected images in positions to appear below and in front of the second selected image.

50. The method of claim 48 wherein separating selected images from the photographic scenes comprises defining an outer boundary of each selected image and severing each selected image from the photographic scenes along the outer boundary of the selected image.

51. The method of claim 49 wherein separating selected images from the photographic scenes further comprises defining interior boundaries and severing the selected image from the photographic scene along the interior boundaries, creating interior spaces within the selected image.

52. The method of claim 50, wherein ordering images in a synthetic perspective relationship further comprises placing a first group of selected images behind and above a second group of selected images so that the interior spaces of the second group of images reveals the first group of selected images.

53. The method of claim 48 wherein selecting images of discrete features in the photographic images comprises selecting images having corresponding, distinct shapes, sizes, textures and color.

54. The method of Claim 53 wherein ordering of selected images as a repeating pattern further comprises:

selecting at least one corner element and at least one edge element;

splitting the corner element into four quadrants and placing one quadrant in each of the four corners of the pattern; and

splitting the edge element into two halves and placing the one half at one edge of the pattern and the other half at an opposite edge of the pattern.

55. The method of claim 48 wherein selecting and ordering selected images includes selecting a background color and placing the background color before all other images in the pattern.

56. The method of claim 55 wherein selecting and ordering selected images further comprises selecting an accent color and smearing the background color with the accent color.

57. The method of claim 48 wherein printing the repeating pattern on a substrate comprises:

selecting color groups;

sorting the images by color group;

selecting a single color to represent each color group;

separating the color groups, creating a single plate of a single color for each color group;

ordering colors from least dominant to most dominant; and

printing in order of dominance, all color plates onto a single substrate.

58. The method of claim 48 wherein selecting images further comprises selecting the selected image representing a set of discrete features.

59. The method of claim 58 wherein selecting sets of selected images representing a set discrete features includes selecting a set of discrete features such as low ground cover, including clumps of grass and low shrubs, a set of medium shrubs, and a set including trees and large shrubs.

60. The method of claim 48 wherein printing the repeating pattern on a substrate includes repeatedly printing the pattern seamlessly across a surface.

61. The apparatus of claim 48, wherein printing the repeating pattern includes printing the pattern seamlessly in two dimensions.

62. The method of claim 48 wherein printing the pattern on a substrate further comprises printing on a fabric for use as camouflage clothing.

ADD 857